BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE IN WARD NO.05, BYATARAYANAPURA

Agency	**Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064**
	EIRL-1
Estimate Amount:-	**10000000.000**
Approved Amount	**8747273.000**
Name of Contractor:-	**Sri. S K Keshavamurthy**
Tender premium:-	**+4.98% Above**

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6.00	7	8	9	10	11
E1	Pg No 43,Item No 7.29 Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	kg		125.85	125.85	Additonal Item	No	-	Yes, ((Pg No. 43, IT No. 7.29) of KPWD S.R 2018-19)	

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1	2	3	4	5	6.00	7	8	9	10	11
E2	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.Pg No.299 Item No.38.30	Sqm	37.63	780.04	29353.03	Additonal Item	No	-	Yes, ((Pg No. 299, IT No. 38.30) of KPWD S.R 2018-19)	
	TOTAL EIRL AMOUNT				29478.88					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{29478.88}{8747273.00}$ x100 = 0.34 %

Asst Engineer

Asst.Executive Engineer

Executive Engineer

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE IN WARD NO.05, BYATARAYANAPURA

WORK SLIP

Approved Amount	8747273
Name of Contractor:-	Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064
Tender premium:-	+4.98% (Above)

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantit	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	162.50	517.01	84014.13	189.08	189.08	517.01	97753.67	0.00	517.01	0.00	97753.67	13739.54		
4	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	158.84	331.06	52585.57	213.41	198.55	331.06	65731.96	14.86	331.06	4920.62	70652.58	18067.01		
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	12.19	589.57	7186.86	28.83	15.24	589.57	8983.57	13.60	589.57	8015.91	16999.48	9812.62		
7	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated for all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing,complete as per specifications and directions of Engineer incharge of work.	Cum	19.01	6989.78	132875.72	22.00	22.00	6989.78	153745.45	0.00	6989.78	0.00	153745.45	20869.74		

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
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5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specifications and directions of Engineer incharge of work.	Sqm	12.19	589.57	7186.86	28.83	15.24	589.57	8983.57	13.60	589.57	8015.91	16999.48	9812.62		
7	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated for all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing,complete as per specifications and directions of Engineer incharge of work.	Cum	19.01	6989.78	132875.72	22.00	22.00	6989.78	153745.45	0.00	6989.78	0.00	153745.45	20869.74		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantit	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
12	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of Engineer incharge of work.	Tonne	14.69	74723.17	1097683.37	20.15	18.36	74723.17	1372104.21	1.79	100808.14	180072.76	1552176.97	454493.60		
17	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc.,complete as per specifications and directions of Engineer incharge of work. **Head Room**	Sqm	69.21	1038.55	71878.05	75.16	75.16	1038.55	78053.26	0.00	1038.55	0.00	78053.26	6175.22		
18	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work.	Sqm	278.31	323.13	89930.31	297.56	297.56	323.13	96149.92	0.00	323.13	0.00	96149.92	6219.61		
23	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of Engineer incharge of work.	Sqm	384.10	268.71	103211.51	386.48	386.48	268.71	103852.12	0.00	268.71	0.00	103852.12	640.60		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantit	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
27	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roofcomplete as per specifications and directions of Engineer incharge of work.	Sqm	415.92	133.79	55645.94	416.71	416.71	133.79	55752.17	0.00	133.79	0.00	55752.17	106.23		
28	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains,complete as per specifications and directions of Engineer incharge of work.	Sqm	298.83	403.63	120616.75	299.36	299.36	403.63	120829.87	0.00	403.63	0.00	120829.87	213.12		
29	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains,complete as per specifications and directions of Engineer incharge of work. **Terrace Floor**	Sqm	200.40	412.70	82705.08	221.99	221.99	412.70	91615.27	0.00	412.70	0.00	91615.27	8910.19		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantit	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
30	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing,complete as per specifications and directions of Engineer incharge of work.	Sqm	363.60	719.95	261773.82	370.14	370.14	719.95	266484.45	0.00	719.95	0.00	266484.45	4710.63		
32	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.complete as per specifications and directions of Engineer incharge of work.	Sqm	363.60	2329.93	847162.55	370.28	370.28	2329.93	862735.80	0.00	2329.93	0.00	862735.80	15573.25		
34	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.complete as per specifications and directions of Engineer incharge of work.	Sqm	14.56	5056.68	73625.26	21.30	18.20	5056.68	92031.58	3.10	5056.68	15675.70	107707.27	34082.01		
35	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of Engineer incharge of work.	Sqm	12.82	1376.41	17645.58	13.30	13.30	1376.41	18300.75	0.00	1376.41	0.00	18300.75	655.17		

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
37	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface,	Sqm	12.82	596.37	7645.46	13.30	13.30	596.37	7929.34	0.00	596.37	0.00	7929.34	283.87		
	Grand total				**3098540.48**				**3484124.05**			**208684.99**	**3692809.03**	**594268.55**	**0.00**	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Percentage of Workslip **6.79%**

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92